

# **Paleo-environmental Reconstruction and Landscape Interactions in Lake Clark and Southwest Alaska Lake Systems (SWAN)**



**Patricia A. Heiser**  
**University of Alaska Geography Program**  
**University of Alaska Fairbanks**

## Study Components

➤ **Glacial extent and timing of de-glaciation Lake Clark**

**Post-Glacial Lake Level Changes**

**Volcanic History**

**Lake Productivity**

**Paleo-ecology and Vegetation Change**













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**Glacial extent and timing of de-glaciation Lake Clark**

➤ **Post-Glacial Lake Level Changes**

**Volcanic History**

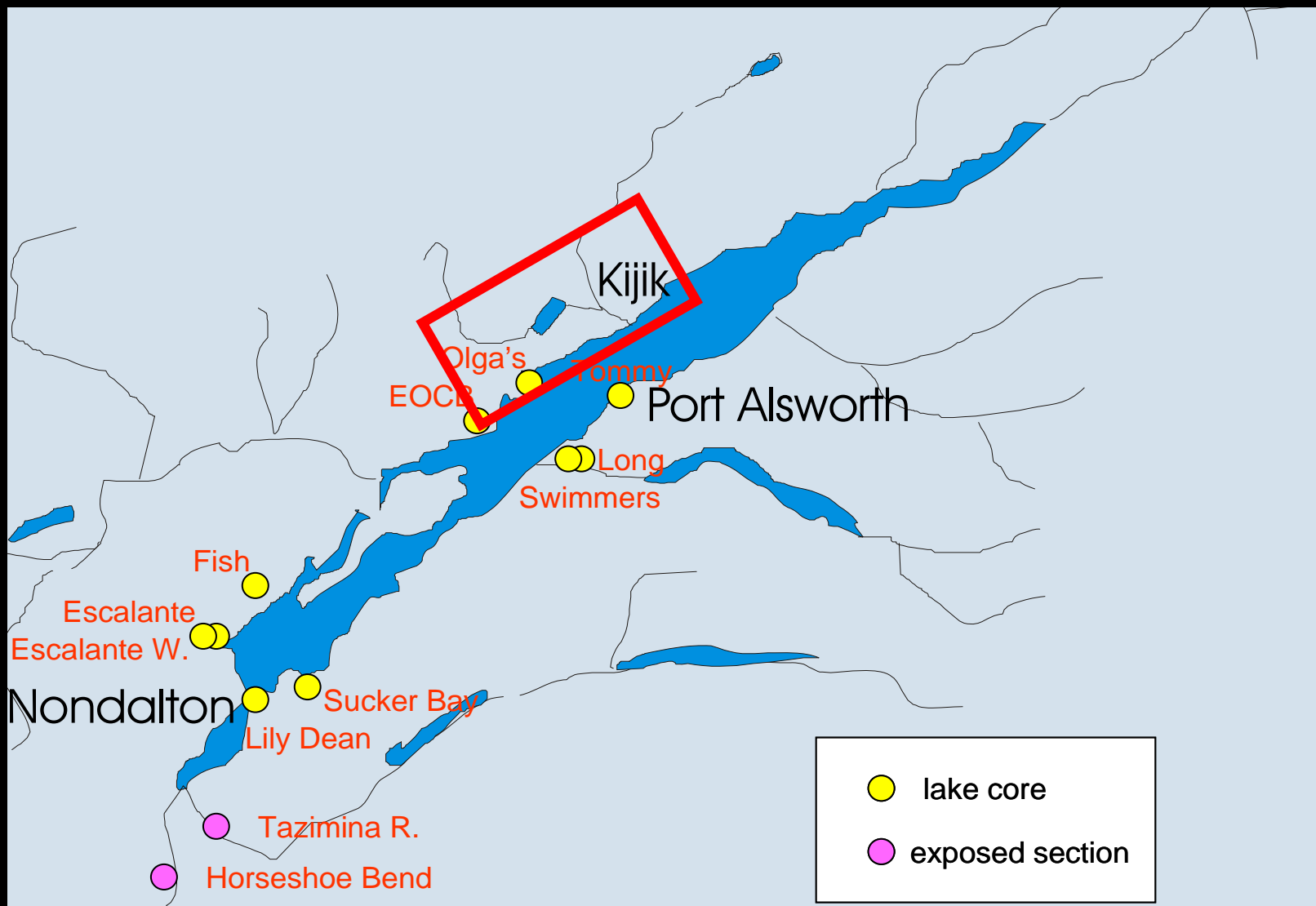
**Lake Productivity**

**Paleo-ecology and Vegetation Change**



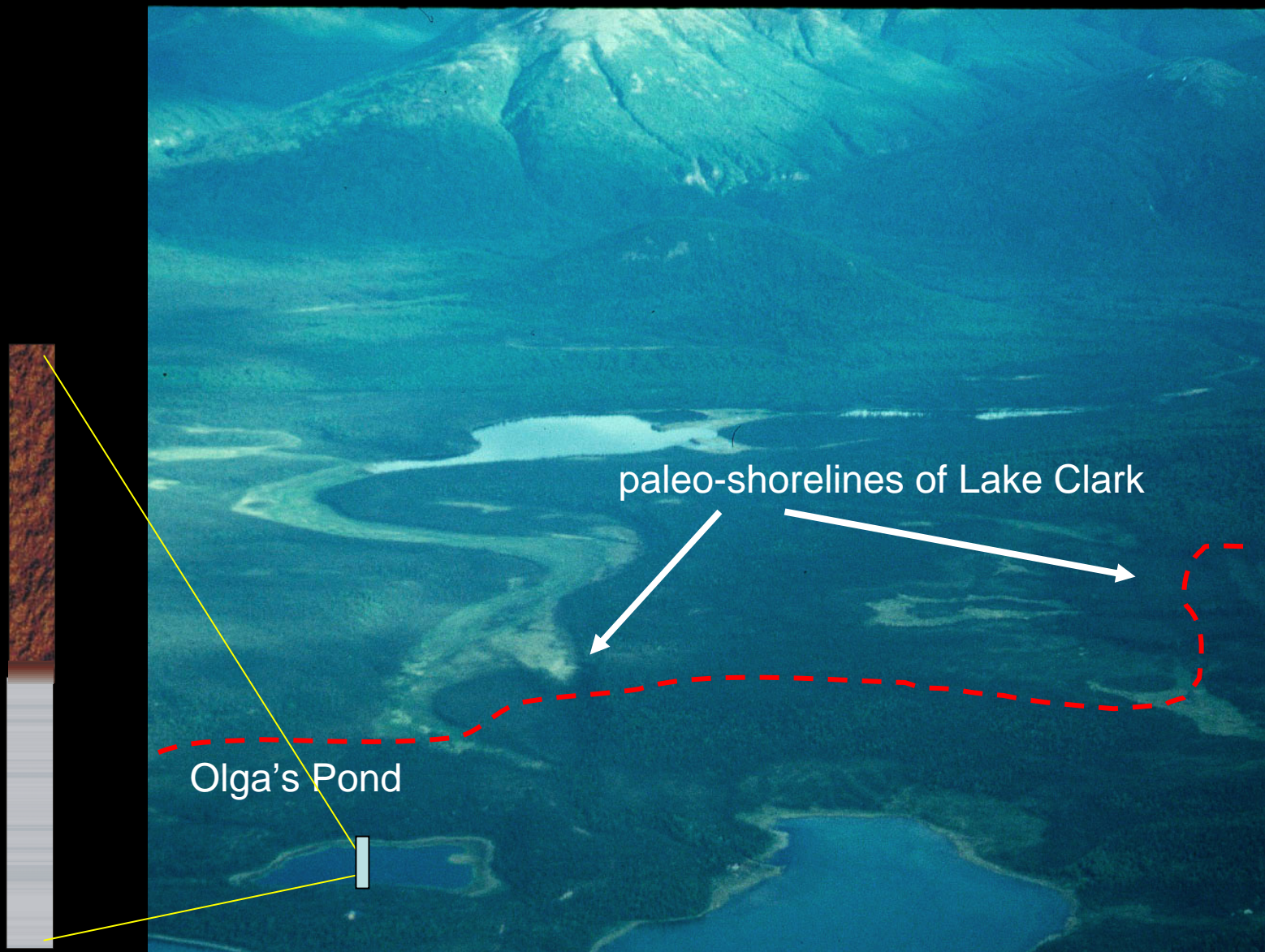












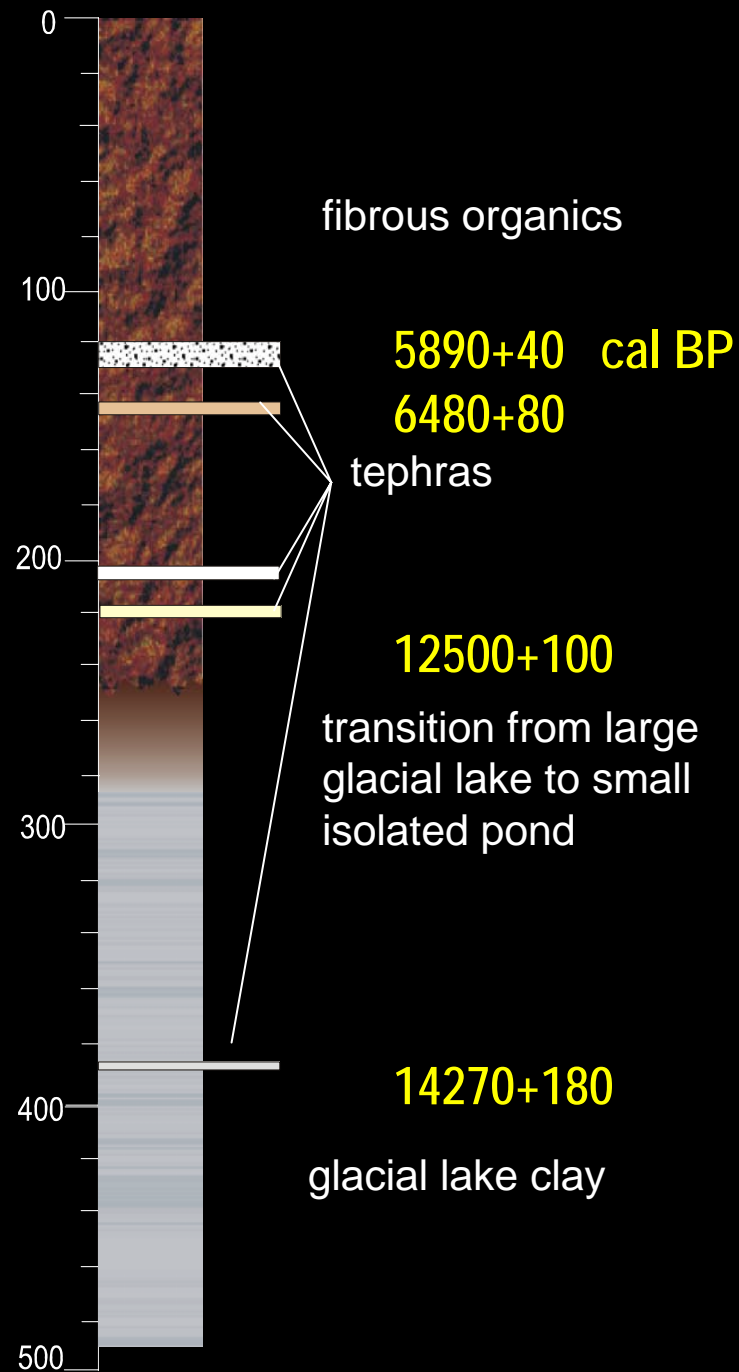








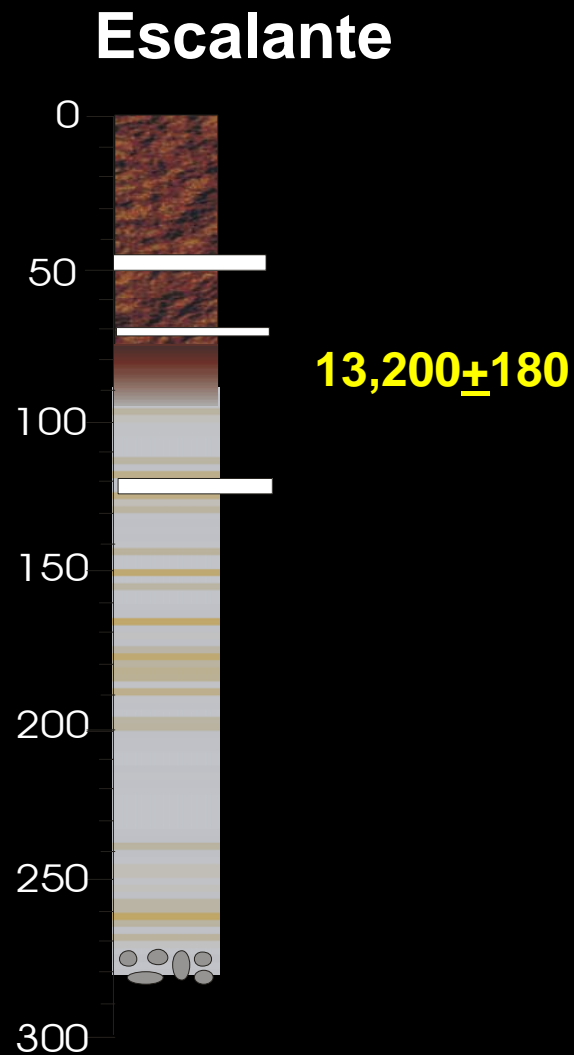
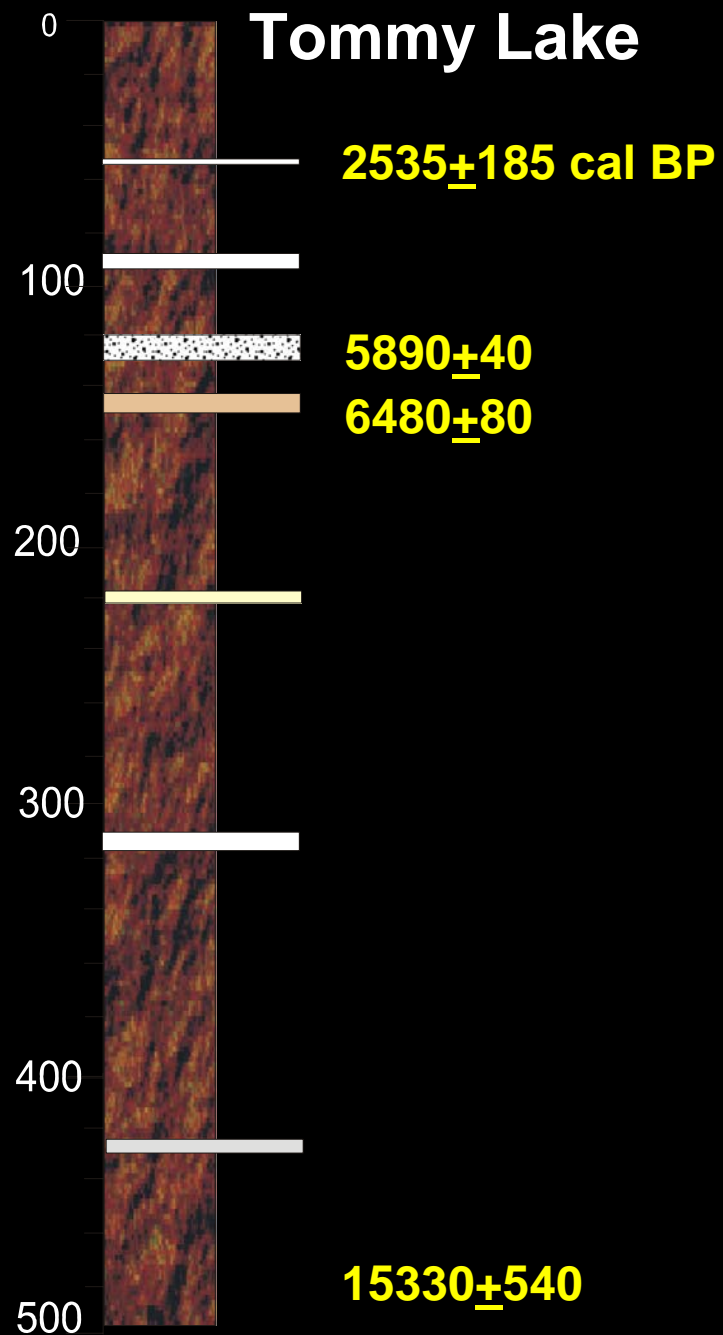
# Olga's Pond





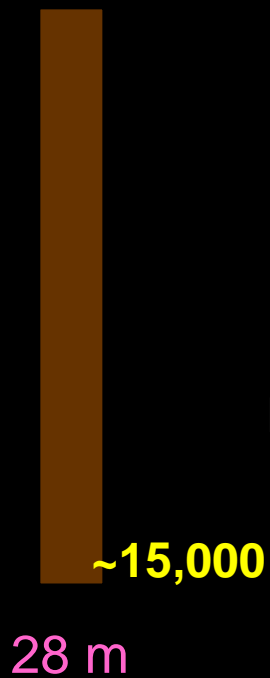
# Tommy Lakes



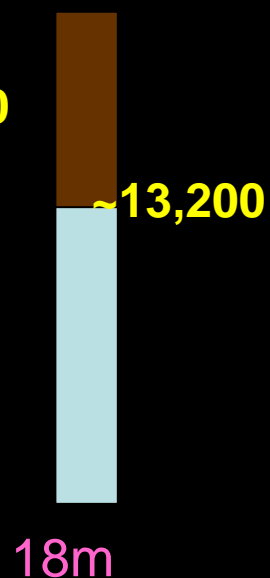




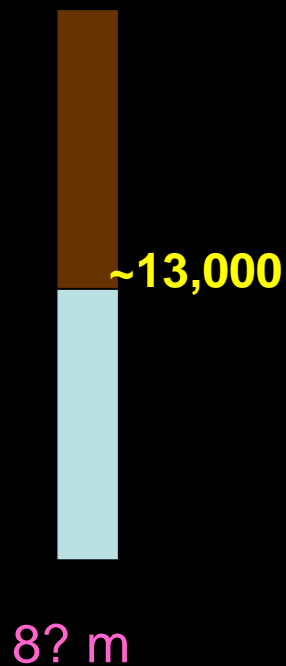
Tommy



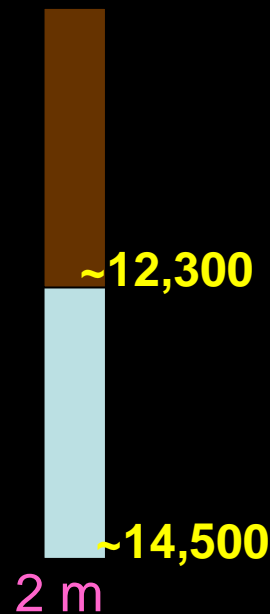
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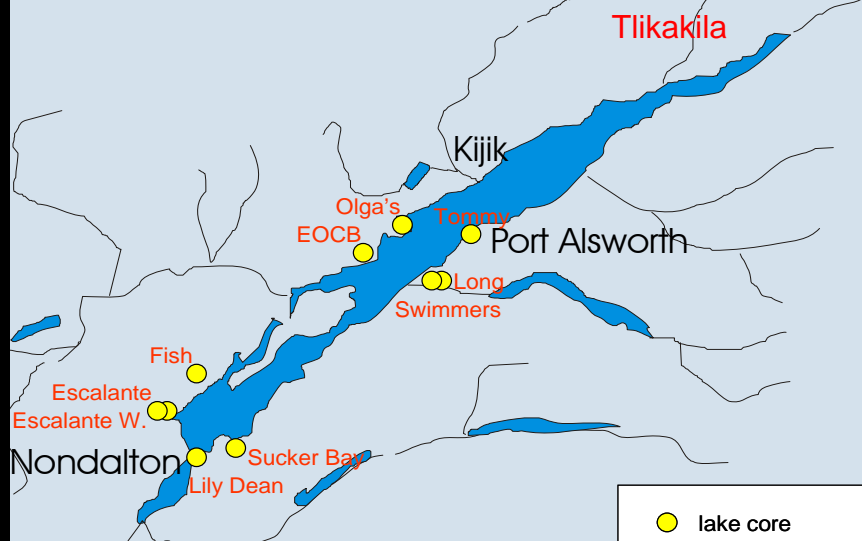
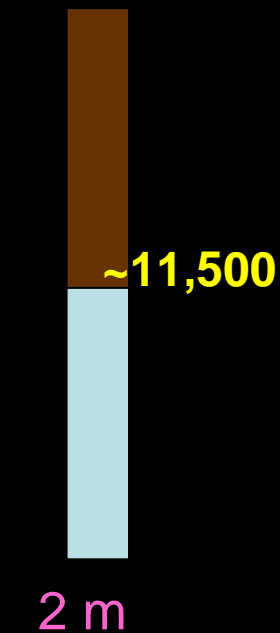
Tlikakila



Olga



Lily







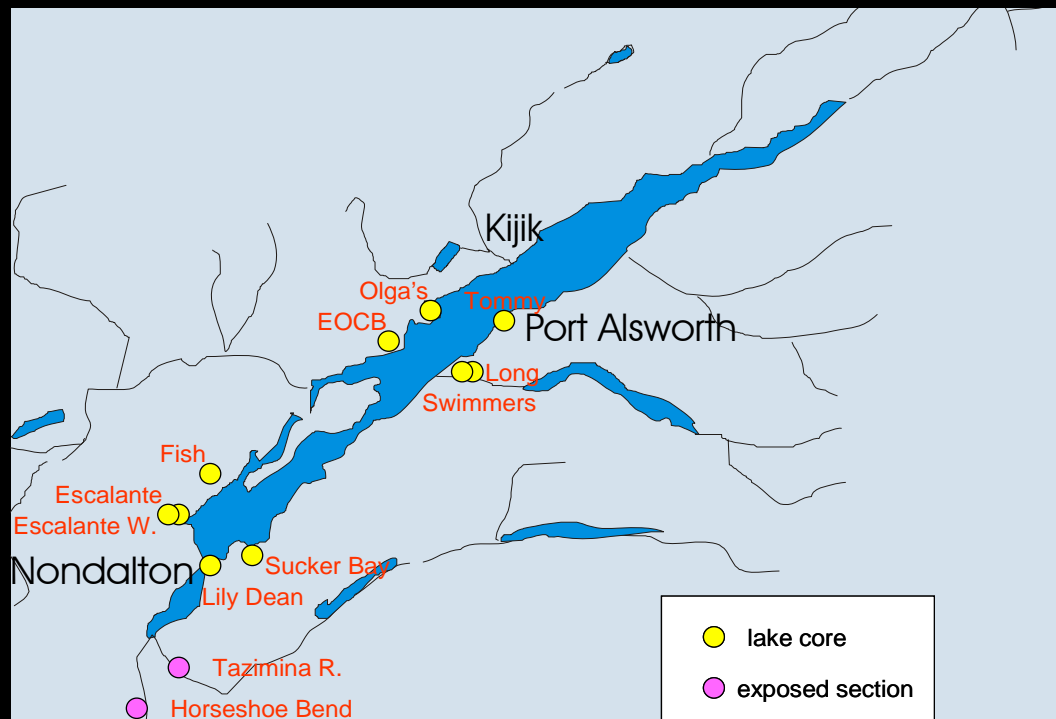
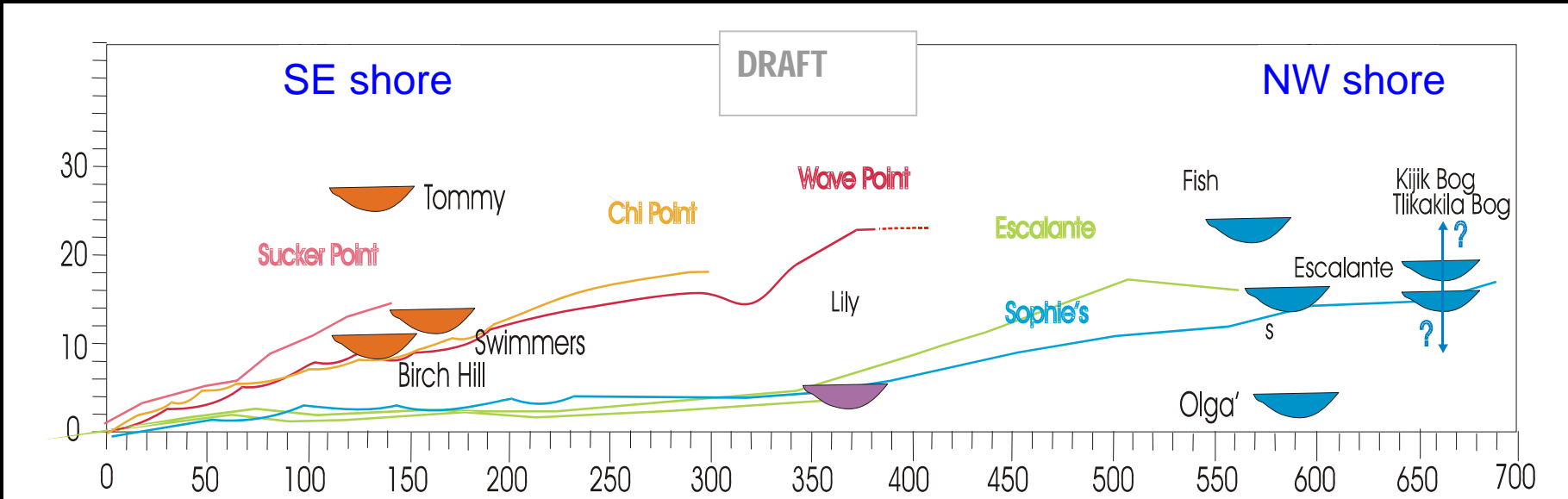




Image © 2007 TerraMetrics

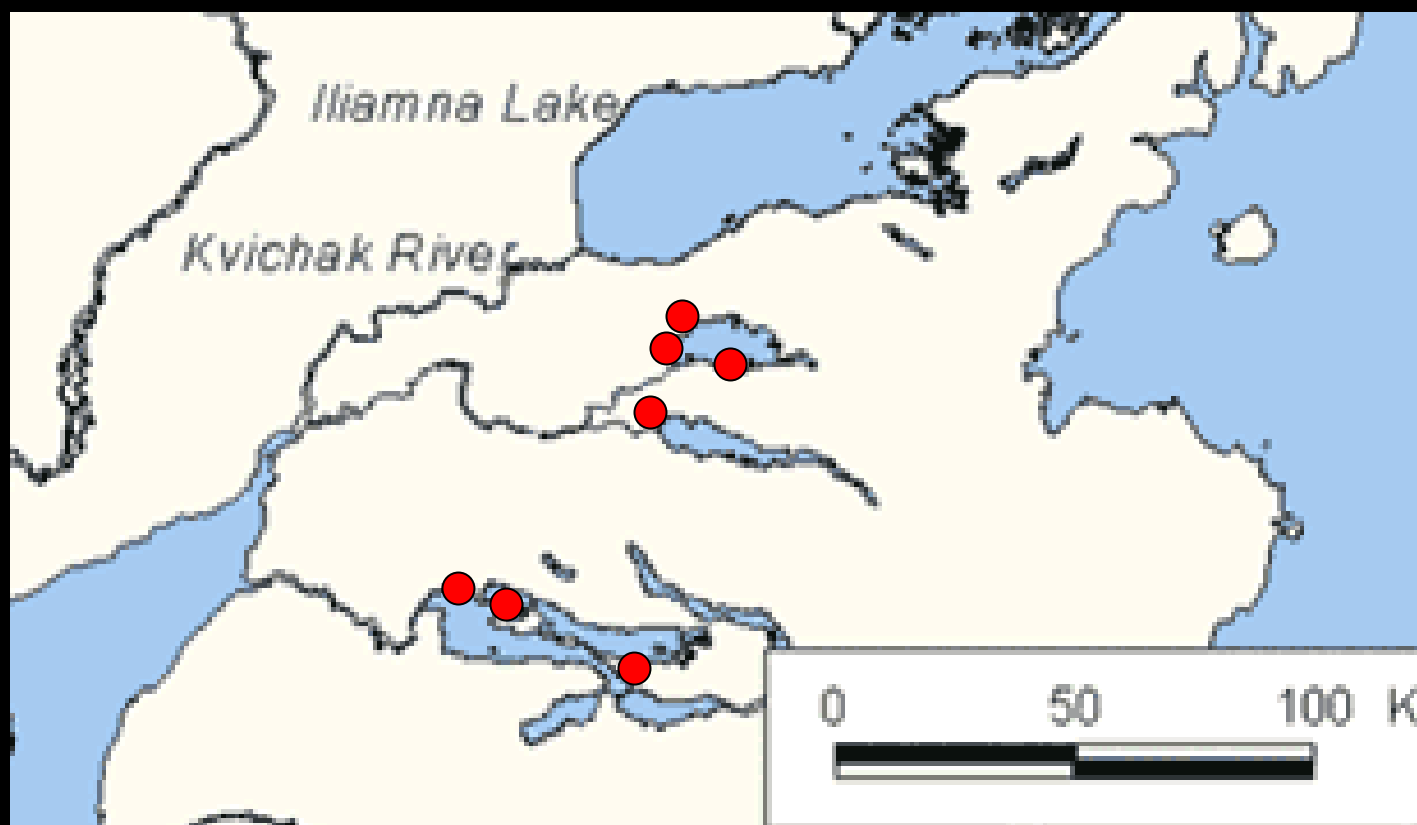
Google

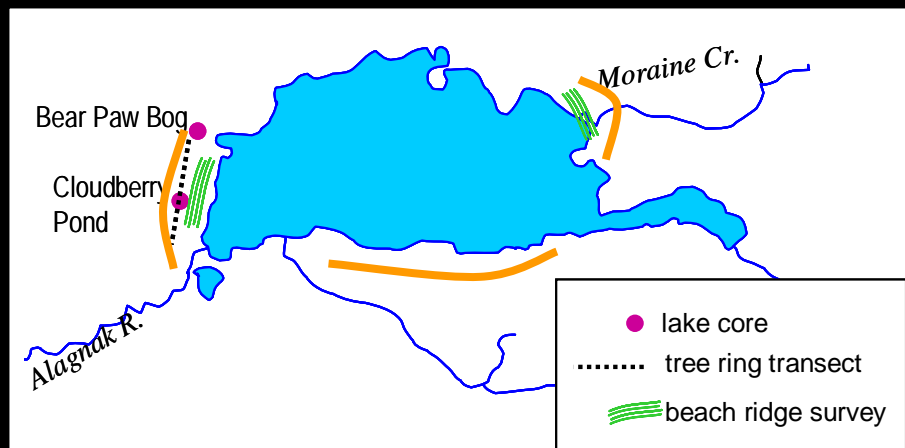
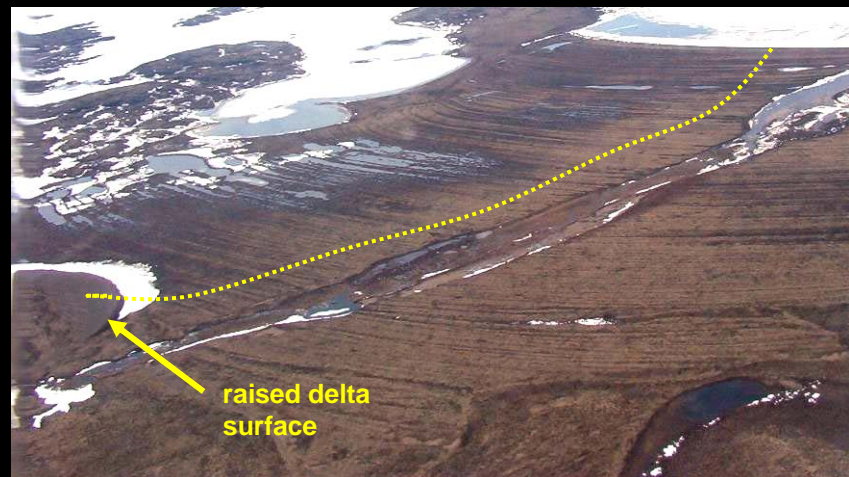
Pointer 59°08'02.15" N 155°10'55.32" W

Streaming ||||| 100%

Eye alt 83.11 mi











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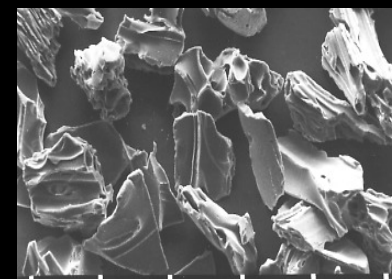
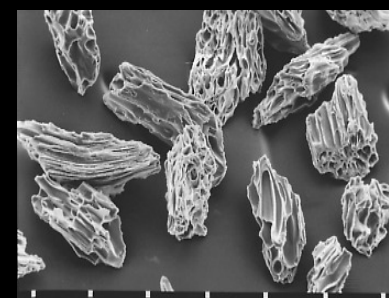
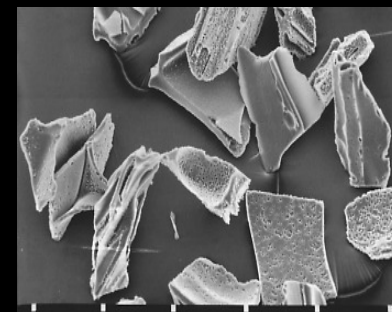
**Post-Glacial Lake Level Changes**

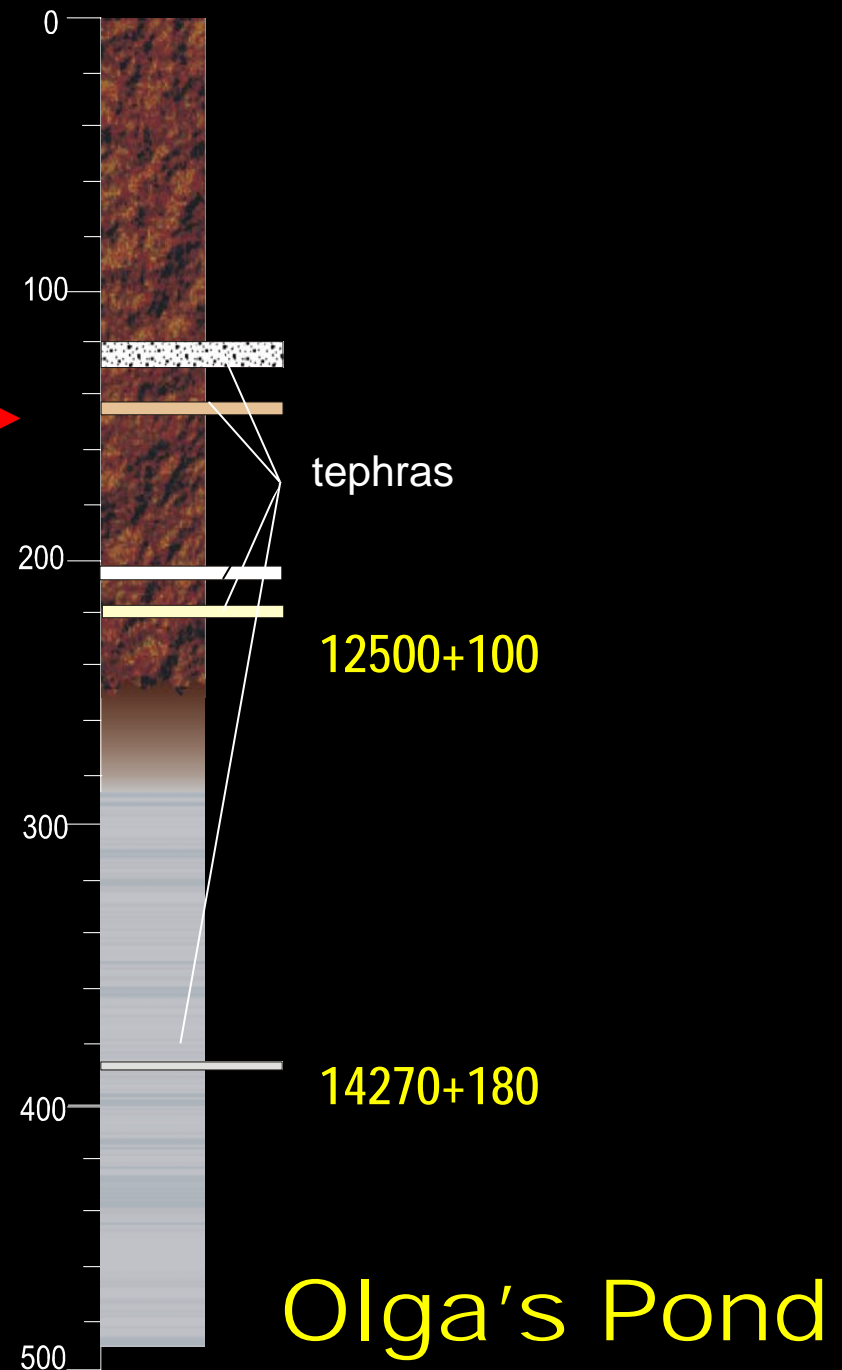
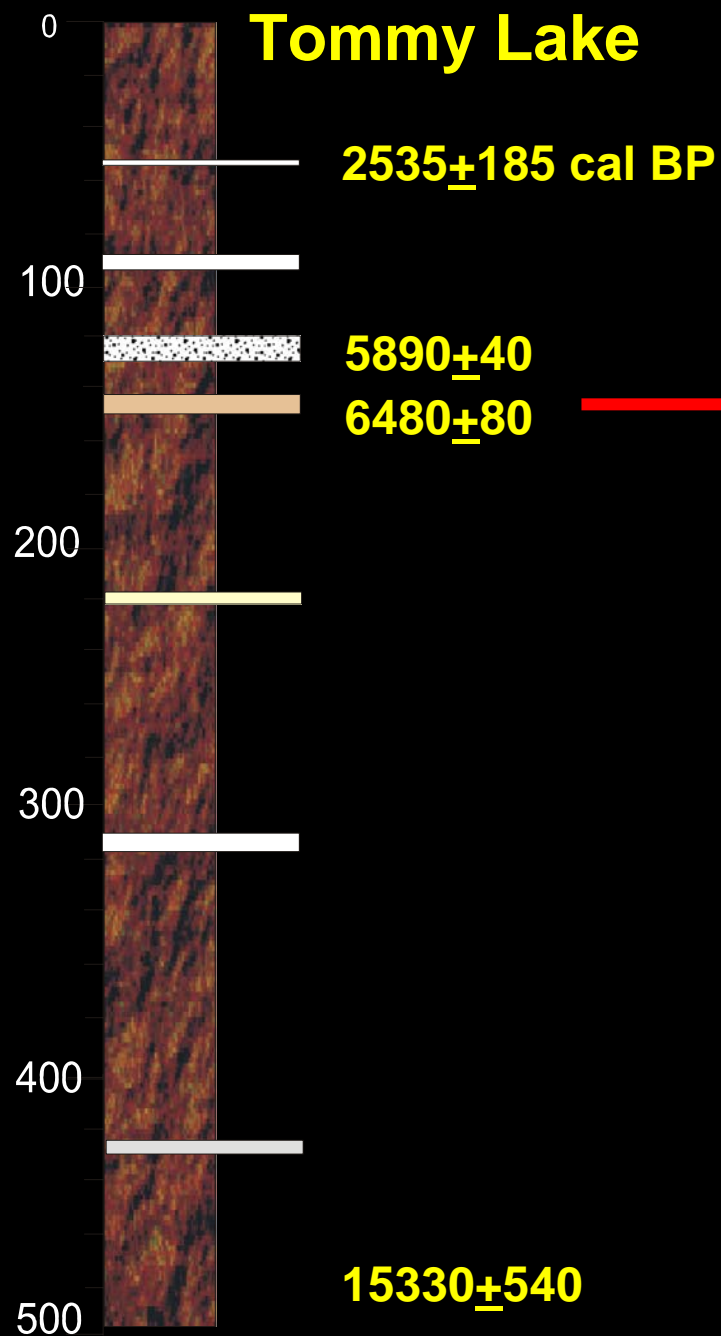
➤ **Volcanic History**

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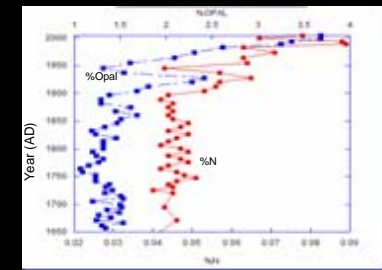
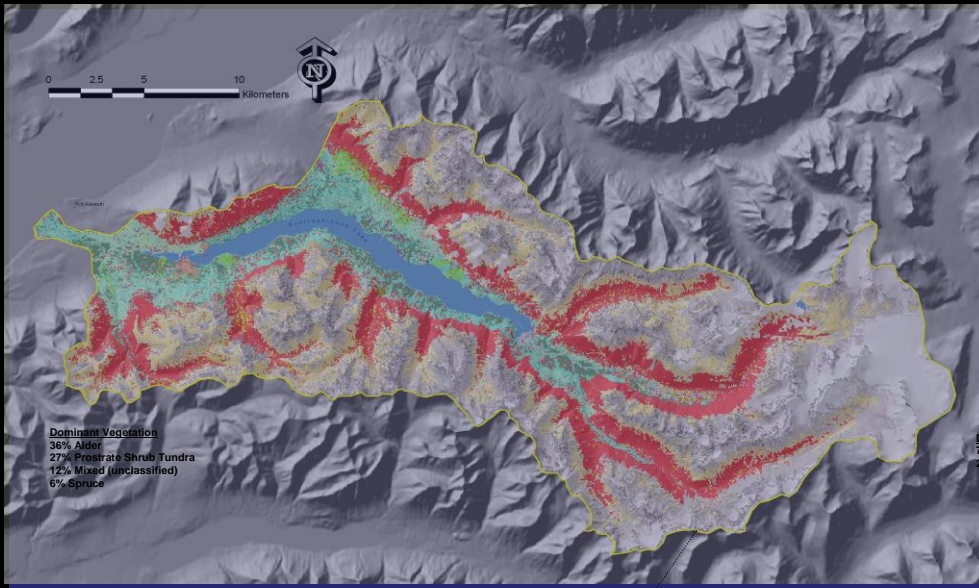
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**Volcanic History**

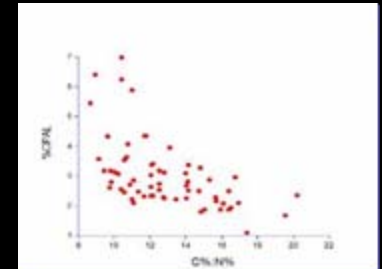
**➤ Lake Productivity**

**Paleo-ecology and Vegetation Change**

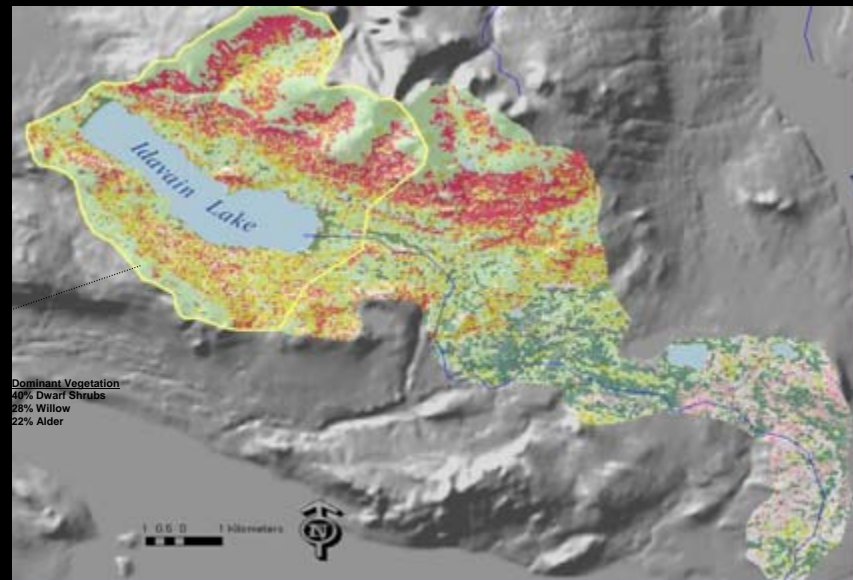
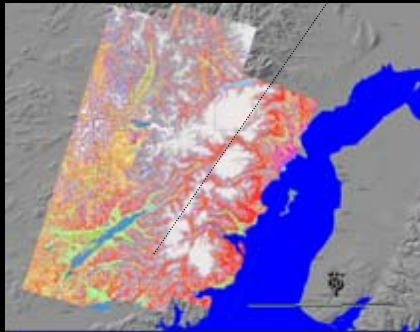




Hickerson Lake



Kontrashibuna Lake



Katmai National Park

## Study Components

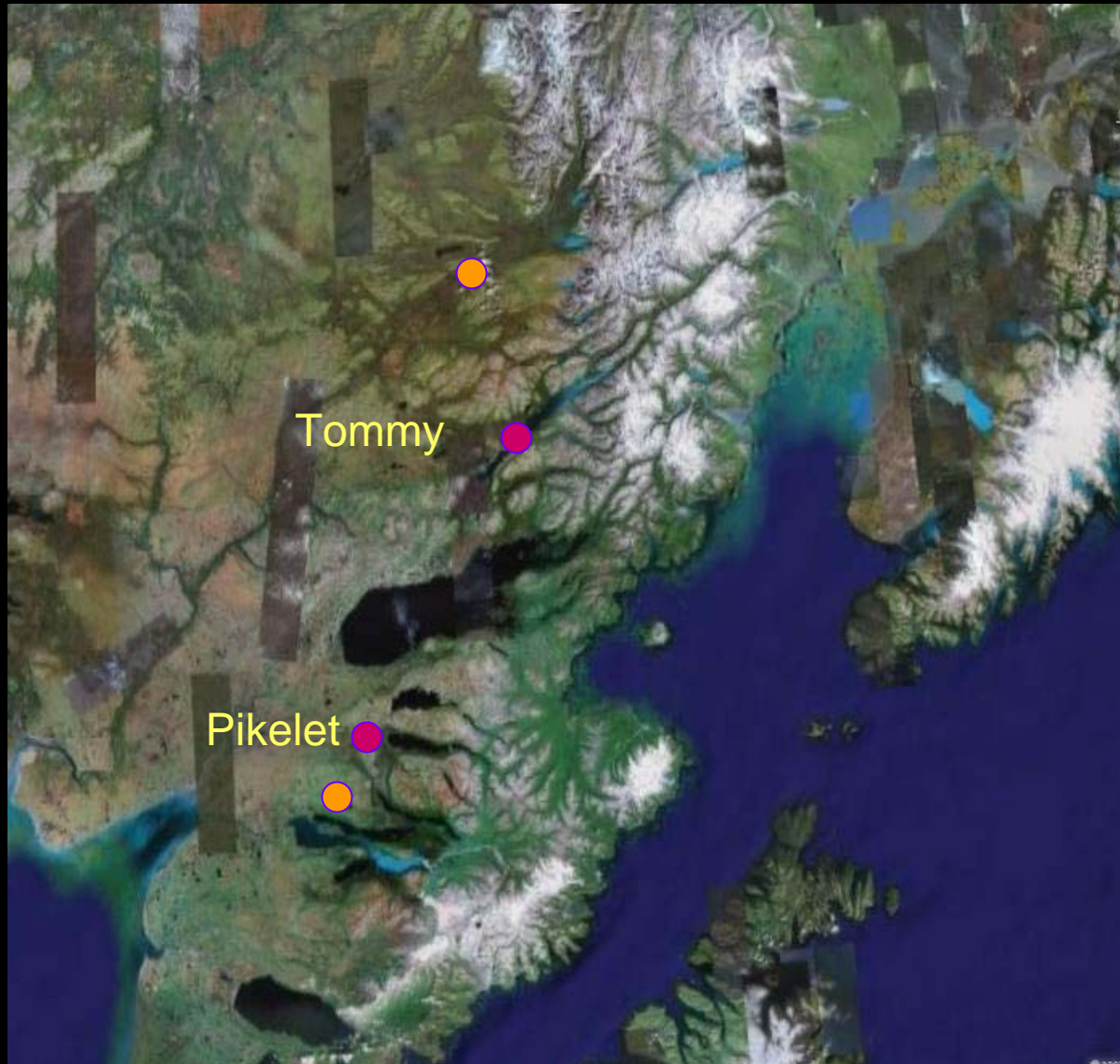
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Preliminary diagram  
December 18, 2005







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